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ATTORNEYS DOCKER JUMGET/FID FORM PTC-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE MODI TELI-550-609 U.S. APPLICATION NO. (If known, see 37 C.F.R. 1,5) TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) 10/52mm/6 **CONCERNING A FILING UNDER 35 U.S.C. 371** PRIORITY DATE CLAIMED INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE 4 July 2002 PCT/GB2003/002821 1 July 2003 TITLE OF INVENTION FREQUENCY CONTENT SEPARATION USING COMPLEX FREQUENCY SHIFTING CONVERTERS APPLICANT(S) FOR DO/EO/US LILLINGTON et al Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 冈 This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. This is an express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include items (5), (6), (9) and (21) indicated below. 4. Ø The U.S. has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371(c)(2). is attached hereto (20 pages specification, claims & abstract (11 claims), 25 sheets drawings). a. has been communicated by the International Bureau. h is not required, as the application was filed in the United States Receiving Office (RO/US). C. 6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(3) a. is attached hereto (pages specification, claims & abstract (claims), sheets drawings, page Certificate of Translation). b. has been previously submitted under 35 U.S.C. 154(d)(4). 7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3) a. are attached hereto (required only if not communicated by the International Bureau). b. П have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. C. d. have not been made and will not be made. 8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3). 9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4). a. Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached). 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5). Items 11 To 20 below concern document(s) or information included: 11. An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98. 12. An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included. Ø 13. a. A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment. 14. 📑 An Application Data Sheet under 37 C.F.R. § 1.76. 15. A substitute specification. A change of power of attorney and/or address letter. 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. 18. A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). \boxtimes 20. Other items or information. PCT Request Form, International Preliminary Examination Report w/amended sheets

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U.S. APPLICATION NO. (INT	INTERNATIONAL APPLICATION NO.			ATTORNEY'S DOCKET NUMBER 550-609						
unknown PCT/GB2003/002821 21. ⊠ The following fees are submitted:											
BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):											
☐ a) Basic national fee\$300.00 (1631)/\$150.00 (2631)								\$	300.00		
b) Examination Fee\$200.00 (1633)/\$100.00 (2633)								\$	200.00		
C) Search Fee\$500.00 (1632)/\$250.00 (2632)								\$	500.00		
TOTAL OF ABOVE CALCULATIONS\$1000.00/\$500.00								\$	1000.00		
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper											
or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or RATE											
Total Sheets Ex			ereof (round up to a whole			HATE					
45 -100	0 /50	= 0.00			\$250	0.00 (1681)		\$			
					\$12	5.00 (2681)					
Surphores of \$120.00 (1617)(\$65.00 (0617) for frames the cash and a leasting letter than \$7.00										cu	
Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than \(\sum 30 \) months from the earliest claimed priority date (37 C.F.R. 1.492(e).								s _{\$}	130.00		
CLAIMS		ER FILED	# EXTRA			RATE					
Total Claims	10	minus 20	0 X	\$50.00 (1615)/		\$25.00 (2615)	\$			
Independent Claims		minus 3 =	0 X	\$200.00 (1614)		\$100.00 (261	4)	\$		_	
MULTIPLE DEPENDENT CLAIMS(S) (if applicable) \$360.00 (1616)/\$180.00 (2616)								\$	0.00		
Petition is hereby made to extend the current due date so as to cover the filing date of this paper and											
attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253/\$510.00 (2253); Four Month Extensions								,			
\$1590.00 (1254/\$795.00 (2254)								l _s	0.00		
Applicant claims small entity status. See 37 CFR 1.27.										- 10,000	
Processing fee of \$130.00 (1618), for furnishing the English Translation later than 20 30									0.00		
months from the earliest claimed priority date (37 C.F.R. 1.492(f). + TOTAL NATIONAL FEE =								= \$	0.00 1,130.00		
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by									1,130.00		
an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property +								\$			
Fee for Petition to Revive Unintentionally Abandoned Application;\$1500.00 (1453) / \$750.00 (2453)								\$	1		
TOTAL FEES ENCLOSED =									1,130.00 mount to be:		
									refunded \$		
									Charged \$		
a. A check in the amount of \$1130.00 to cover the above fees is enclosed.											
b. Please charge my Deposit Account No. 14-1140 in the amount of \$ to cover the above fees. A duplicate copy of this form is enclosed.											
c. 🛛 The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any											
overpayment to Deposit Account No. <u>14-1140</u> . A <u>duplicate</u> copy of this form is enclosed.											
d. CREDIT CARD PAYMENT FORM ATTACHED.											
e. The entire content of International Application No. PCT/GB2003/002821 and any U.S. and foreign application(s) corresponding thereto, and , referred to in this application is/are hereby incorporated by reference in this application.											
NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a)											
or (b) must be filed and granted to restore the application to pending status.											
Direct all correspondence to:											
☐ Customer Number: 23117								. /	2		
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the Mor											
Telephone: (703) 816-4000 Stanley C. Spooner											
SCS:alb , NAME											
27,393									January 4, 2005		
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